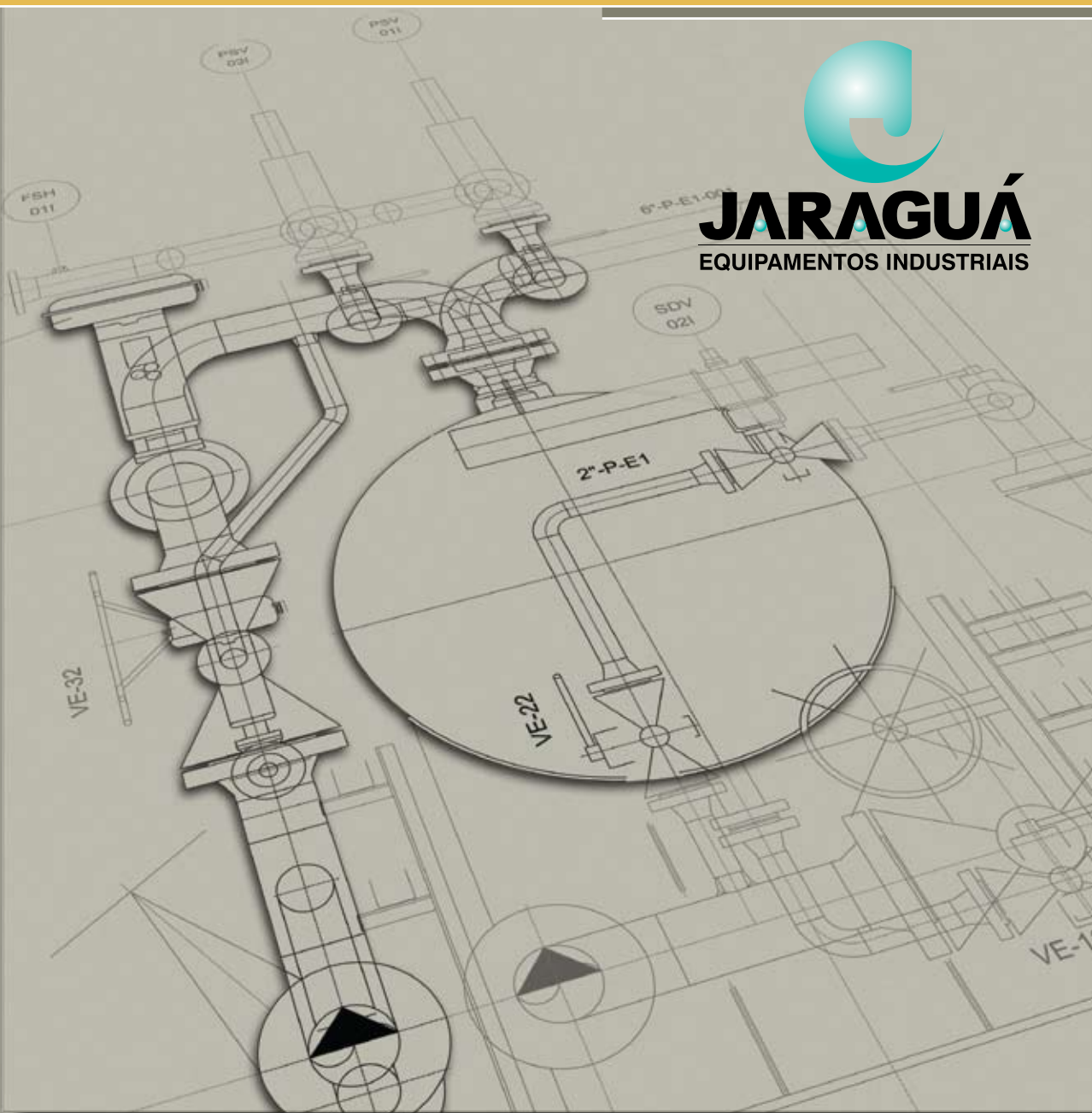




JARAGUÁ
EQUIPAMENTOS INDUSTRIAIS





Basic Philosophy

Our purpose is to transform this world into a better world, through our business activities and through our Personnel and Organizational Management Model, being an example to be pursued as a good management, always highlighting our concerns with the value and safety of the Human Beings, of our Society as a whole, and of the Environment. For that sake, our Basic Philosophy is sustained by the following

Premises:

1. Our associates are the utmost partners of this Organization;
2. The long term survival and continuous strengthening of Garcia Group are a result of the profits earned through its activities;
3. Anticipating and exceeding our customers' expectations, mostly as to quality, competitiveness and efficacy;
4. Transfer to our products and services the maximum expertise, as well as every and any associate's contribution;
5. Identification of each associate potential and appraisal of individual and group performance;
6. Striving for excellence in Safety, Environment and Health.

Values:

Our values are our behavior standards, as well as the essential pillars of our Basic Philosophy.

- Trustfulness
- Honesty and Integrity
- Continuous Improvement
- Meritocracy
- Enhancement and management of personnel

Essential Competences:

These are a set of knowledge, skills and attitudes which our associates shall believe. And, if they invest in the development of those competencies, tuned to each step of their professional path, they will ensure their permanence and professional growth within Garcia Group.

- Learning and self-improvement;
- Autonomy/Responsibility/Focus on results;
- Communication;
- Discipline, Organization and Planning (Project based management)
- Entrepreneurship
- Emotional Intelligence
- Leadership
- Negotiation
- Readiness to act and commitment
- Relationship
- Teamwork
- Systemic/strategic view

By adopting the above set of principles, Garcia Group understands that is contributing substantially to the development, technological growth and sovereignty of our country, acting as an agent in the process of transformation of the society by means of continuous innovation, associated with personal and professional growth and aggrandizement of its associates.

A Better World is a consequence of the understanding of, and unbound commitment to, our Basic Philosophy, Values and Competencies, as applied to our activities, based on our Management Model.





Jaraguá Equipamentos Industriais was established in 1957 by German investors, in São Paulo capital city. From its very beginning Jaraguá focus has been the capital goods market, so as to become a “factory of factories”, always future oriented and behaving ethically and responsibly.

For more than 25 years Jaraguá manufactured, in its São Paulo facilities, a wide range of equipment for base industry, supplying – already at that time – to large Brazilian industrial companies, such as Petrobrás. Along that period the design and construction departments were consolidated.

Jaraguá's followed successfully the fast pace of Brazilian industrialization during the 60's and 70's, keeping close attention to the quality and continuous technological updating of its products, as well as to the human resources development.

As the market's demands increased steadfastly, company's growth was becoming mandatory; however the available free area at São Paulo facilities was not adequate for further expansion. Thus, in 1973, Jaraguá acquired an area of 234.000 m² in Sorocaba (distant about 80 km from São Paulo) for construction of a new industrial facility. On 1981, Jaraguá's headquarters were transferred to Sorocaba.

JARAGUÁ, MORE THAN 50 YEARS COMMITED TO DEVELOPMENT



In parallel to Jaraguá's growth, another company, located in Osasco, São Paulo, was also standing out in the industrial equipment manufacturing segment.

That was Garcia Engenharia, owned by Mr. Álvaro Bernardes Garcia. Mr. Alvaro's company was founded in 1981 as a small workshop aiming to offer services in industrial maintenance and mechanical components overhauling.

As from 1975, the small workshop increased in size and, on 1986, a new fully owned facility of 10.000 m2 was constructed in Osasco so as to produce specially designed machines and equipments, parts and components for industry, as well as to machining and plate bending. On 1992, having the partnership of technology foreign companies, Garcia started manufacturing and trading of pneumatic conveying systems. Three years later, a second facility was inaugurated in Itapevi, also in São Paulo state.



CONQUERING NEW FRONTIERS



Jaraguá is starting a new era in Alagoas



A most important milestone, both in Jaraguá's and in Garcia's history, took place in the year 2000. The merging of Garcia and Jaraguá offered a new and broad scenario to the market: three industrial premises (Sorocaba, Osasco and Itapevi) totalizing an area of 300,000 m²; a larger range of products and services and an improvement in technical skill. Already in the year 2001 the volume of orders increased 120%.

The revenue, which was about 20 Million Reais in 2000, reached already 120 Million Reais in 2003. In 2009, revenue reached 430 Million Reais and the new orders amount went up to more than 1.5 Billion Reais.

JARAGUÁ - believing in Brazil's strong industrial growth invested heavily in a new plant in Alagoas state.

Modern equipment, cutting-edge technology and training of personnel are Jaraguá's contribution to the development of one of the most promising regions in Brazil for building up a new world leader country.

The new Alagoas facility aims to improve the logistic for Brazil's North and Northeast areas, as well as to achieve better export conditions and competitiveness, so as to cope with the challenge posed by strong international competitors.



Jaraguá presence in Brazilian's everyday life



Jaraguá stands out as one of the main capital goods suppliers in Brazil, attending to a wide range of industrial sectors. A highly skilled team of professionals is prepared to offer to the customers tailor made solutions in engineering and infrastructure, according their specifications.



- TURN-KEY
- OIL AND GAS
- PETROCHEMICAL
- BIOENERGY
- MINING
- FERTILIZERS
- PULP AND PAPER
- SHIP PARTS
- ENERGY



Among Jaraguá capabilities, we highlight the supply of turn-key plants. Under a turn-key contract model, the company takes the responsibility for overall project management, delivering a plant ready for commercial operation. Turn-key projects start with basic engineering, procurement, construction and erection, manufacturing, assembling and erection of the equipment, quality assurance, maintenance, technical assistance and operation training. Any and every step of the process is supported by technical resources provided by an up-to-date project management system, as well as by a skilled technical team prepared to fulfil customer's requirements.

turn-key / epc

Delivering complete plants





REPLAN/REVP/RNETS/REPAR/COMPERJ

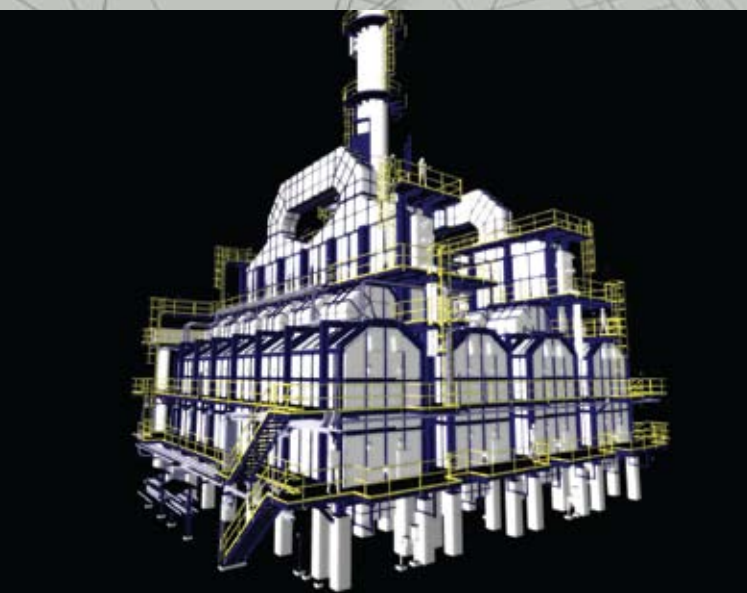
Petrochemical Furnaces

On a Turn-key/EPC ("Engineering, Purchasing & Construction") system, JARAGUÁ is involved in all stages of petrochemical furnaces production, from basic/process design through a complete plant delivery, ready for operation. Supply includes mechanical equipment, instrumentation, power supply, piping, PDMS based electronic modeling, assembling/construction, commissioning, start-up supervision, training and operational tests. Furnace supply range includes: Charging, Reformers, Pyrolysis, Coke, HDT/HDS. Jaraguá, based on proprietary technology, maximizes the design and manufacturing of large modules, so as to minimize assembling/construction time and activities at site.



Alunorte / Turn-key supply of the Evaporation System to world's largest Aluminum refinery

Alunorte – Alumina do Norte do Brasil – in Pará state, has two Evaporation Plants supplied by Jaraguá, on a turn-key basis. Latest contract was signed on 2006 and involves the supply of two parallel lines, with a total capacity of 1,860,000 tonnes/year of alumina. Scope of supply included manufacturing of expansion tanks, heat exchangers, process tanks and ancillary equipment; steel structures; assembling/erection, supervision and start-up; training and operational tests. The world largest Aluminum refinery has a yearly throughput of 4.4 Million tonnes. A significant share of its production is exported to Europe, United States and Asia.

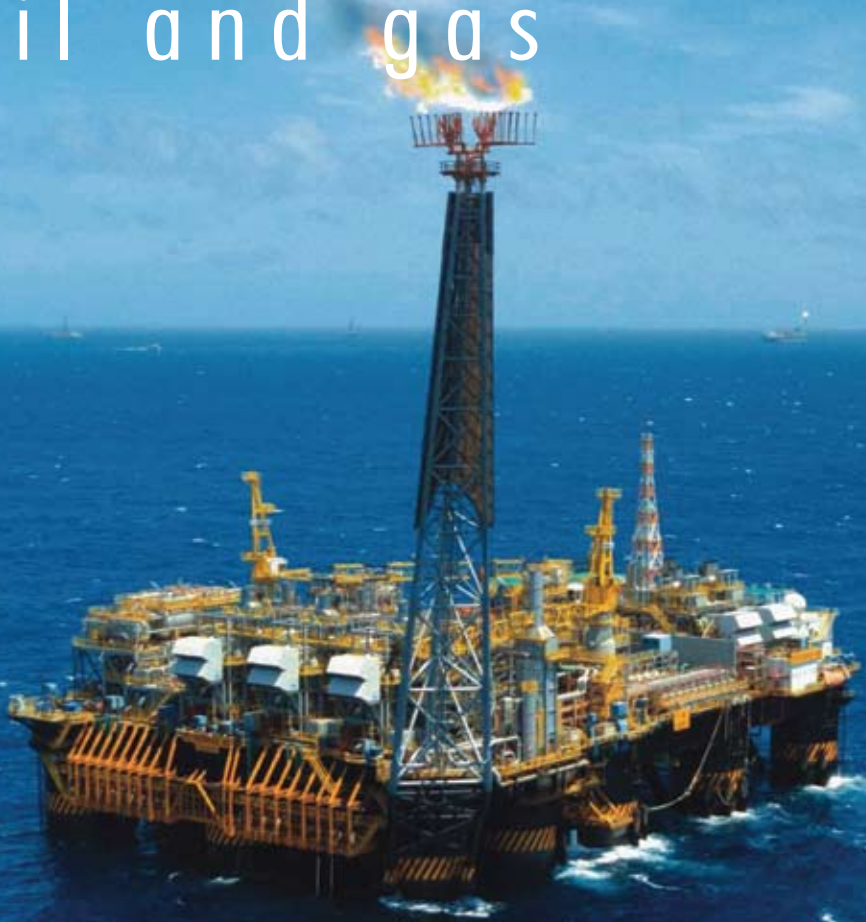




oil and gas

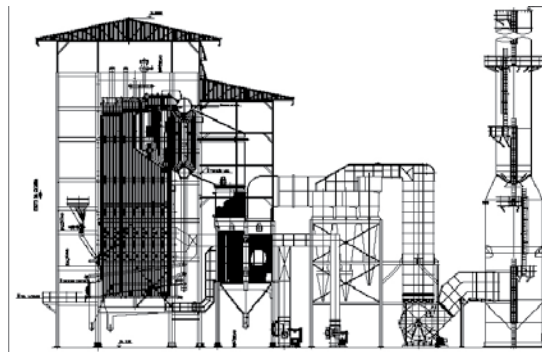
Jaraguá supplies various high technology equipments to oil and gas industry, such as: heat exchangers, reactors, oil/water separators, purifiers, steam generators, heaters, columns and spherical gas containers.

Another very important supply for the oil and gas sector are furnaces, loading, heating or catalytic reforming, among others. Jaraguá can also revamp and overhaul existing furnaces, either to increase capacity or to suit them to more stringent environmental requirements.





Jaraguá has a strong presence in Brazilian Petrochemical clusters and chemical plants. Among the various equipments produced by Jaraguá we may mention: furnaces, condensers, evaporators, exchangers, coolers, pressure vessels, trays, distillation columns and reactors. It should also be emphasized that, due to the technical complexity of the equipment, Jaraguá has a dedicated multidisciplinary team of engineers for design and manufacture of petrochemical furnaces. Nowadays, Jaraguá is among the main Brazilian suppliers of petrochemical furnaces to Brazilian and Latin American market. Jaraguá has already supplied highly specialized reactors, manufactured with high-alloy material, which allowed it to participate in international bids for these items.



Praj Jaraguá Energia S.A., a new joint-venture company of Praj Industries Ltd. and Jaraguá Equipamentos Industriais Ltda., offers to the market not only full turn-key sugar, ethanol and biodiesel plants, but also co-generation power plants, based on biomass, specially sugarcane bagasse. Focusing on sustainability, Praj Jaraguá Bioenergia is also prepared for revamping and overhauling of existing plants, as well as to offer a complete after sales assistance.



bioenergy









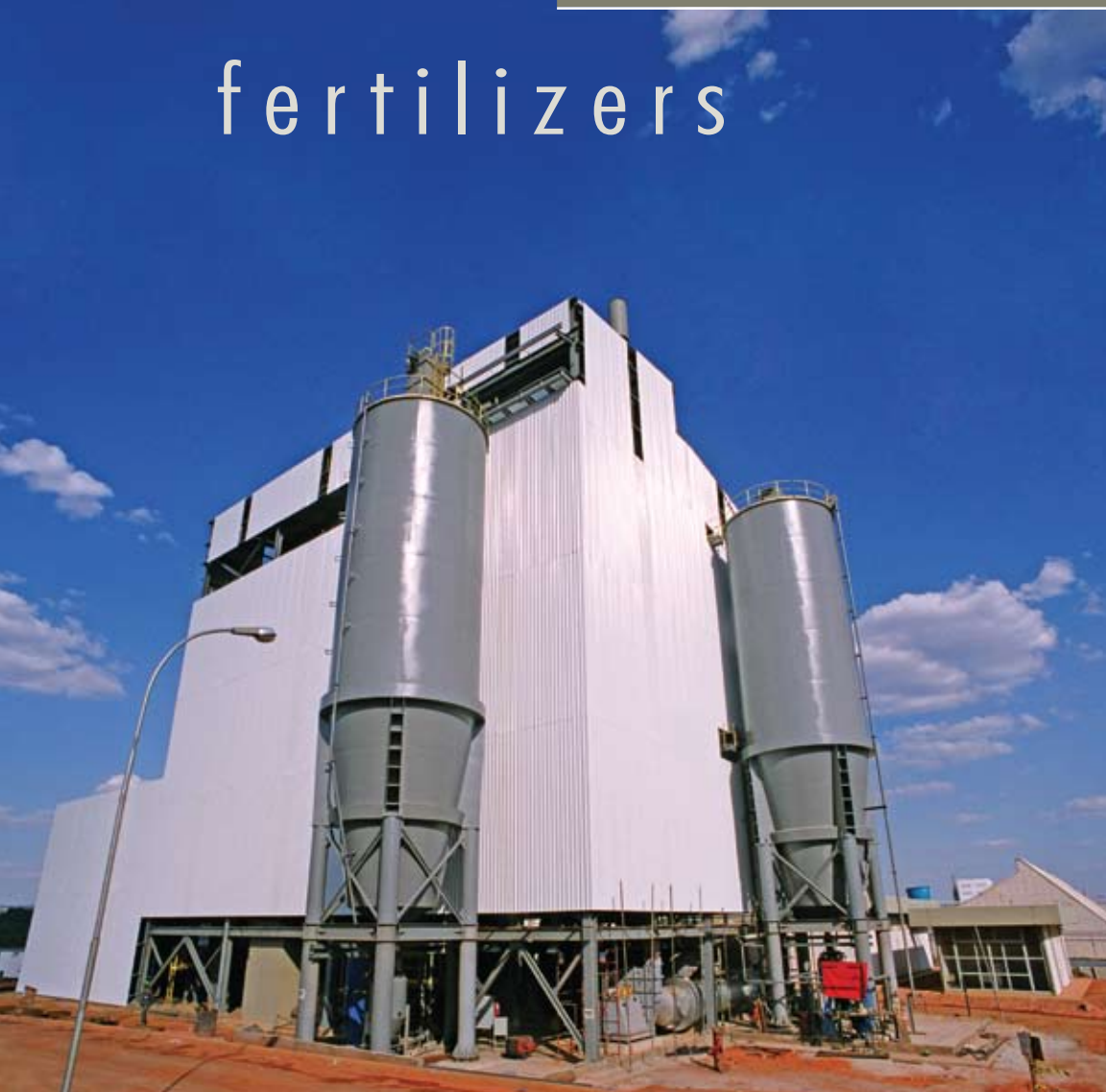
Jaraguá is a reliable supplier of ore processing and handling solutions, including complete equipment and specific systems, such as pneumatic conveyors, dedusting, hydration and storage. Jaraguá can also supply complete plants on a turn-key basis.

mining



fertilizers

Jaraguá has a very important participation in the Brazilian agro-business. For the fertilizers segment, Jaraguá has supplied bunkers, weighing systems, bagging systems, dryers, belt conveyors, as well as complete granulation plants.





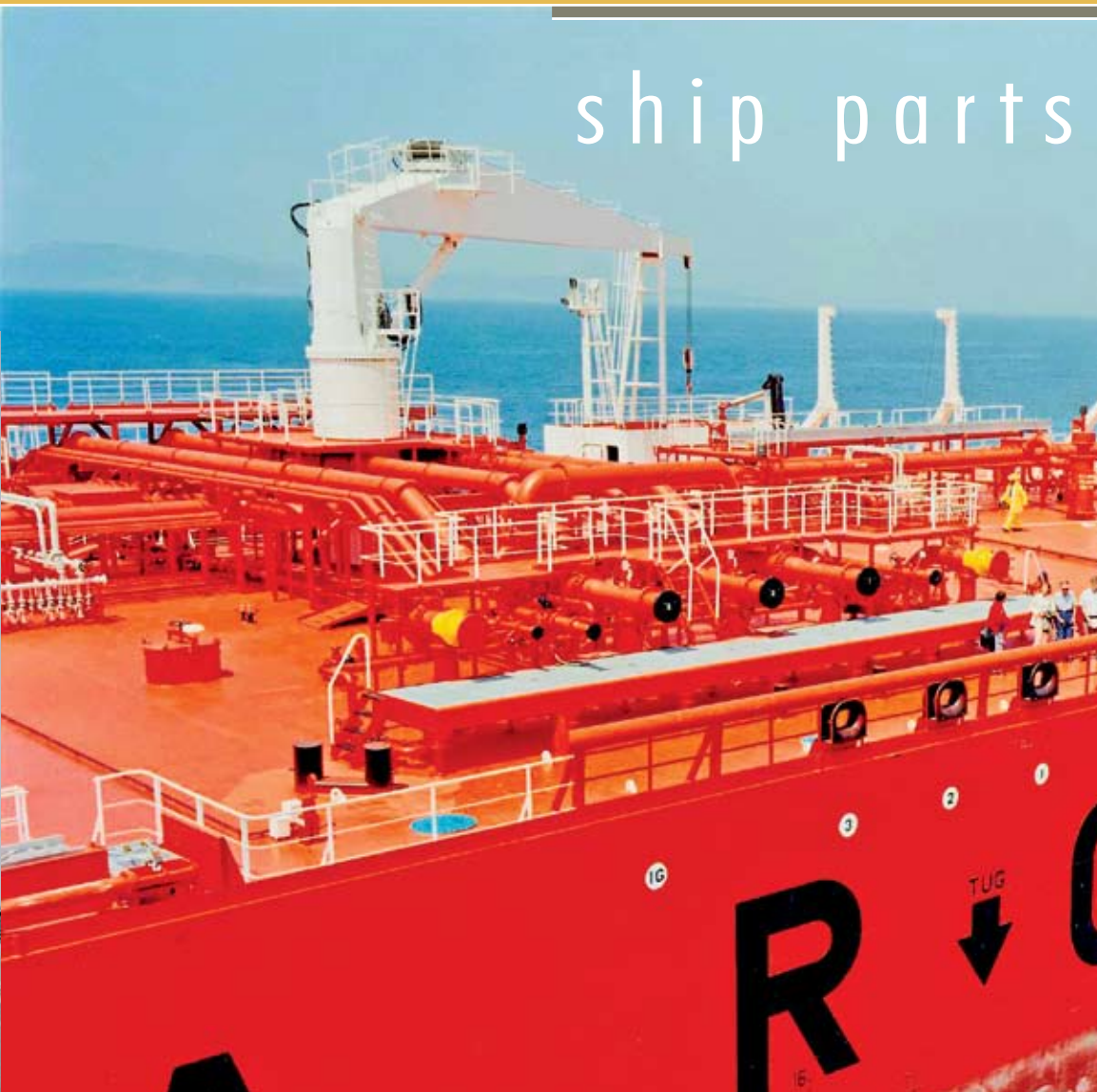
Jaraguá is increasing its market share in pulp and paper industry, as a supplier of lifting and conveying equipment, such as overhead travelling cranes. Jaraguá has also supplied evaporation plants with foreign partners. Receiving, storage and dosing equipment, as designed and manufactured by Jaraguá, constitute another important contribution to this market.



p u l p a n d p a p e r



ship parts



For ship building and offshore sectors, Jaraguá supplies equipments that are crucial to ship and offshore platforms performance. High performance rudders, multi-purpose cranes, oil off-loading systems, drilling rigs, and other equipments designed and constructed with technological assistance of well known international companies. The brand new Alagoas facility is at the disposal of the Northeast region shipbuilders, as well as to other region's. This is Jaraguá's contribution to increasing national content of ships made in Brazil.



e n e r g y

As Brazil has once more taken up its nuclear program, Jaraguá is prepared to supply equipment to nuclear power plants. Jaraguá can also supply equipment and components for hidro and thermal generation. Among the items Jaraguá has already supplied, we may mention: components for nuclear reactors, overhead travelling cranes and a variety of parts for equipment.





Jaraguá provides full support to the development of its human resources, and adopts socially responsible practices towards the community into which it is inserted.



In 2004, Jaraguá introduced its pathbreaking management model, aiming to achieve a healthy and rich work environment, so as to allow for each worker a professional fulfillment and better standard of living. Jaraguá invested heavily in attractive working conditions and so gathered an experienced and knowledgeable human resource. As a consequence, Jaraguá provided opportunities to professionals in the market to get the best out of their talent and potential. Main pillars of the new management model are entrepreneurship and meritocracy. In 2005, Jaraguá started up the process of becoming a professionally oriented business. The Board of directors and the Executive Board were then created, and Jaraguá is rapidly working towards establishing corporate governance, so as to be tuned to the current market standards.

a bold management system



Quality

Quality is the key word for Jaraguá, as for capital goods production is concerned. The company is fully committed to the high quality standards of its products and services, which afford Jaraguá the acknowledgement and respect of its clients and of the market in general.

Along the more than 50 years of its existence, Jaraguá has been awarded several certifications by reputable national and international institutions, of which we may mention the Petrobras Quality Control Award and a salient position in the PGQSMA; ISO 9001 Certificate; "U" and "U2" stamps authorization for pressure vessels, and "S" stamp authorization for boilers, granted by the America Society of Mechanical Engineers (ASME), as well as the Quality Certification from ELETRONUCLEAR for supplying of equipment for Angra Nuclear Power Plants.



Jaraguá is always concerned about promoting its employees' well-being and enhancing their quality of life. Therefore, it is constantly seeking to improve its work relations and individual behavior, which is clearly expressed throughout the company's everyday situations.



retrieving and enhancing talents

In order to spread out the characteristics of its culture, Jaraguá relies in ongoing training, which involves employees from all levels, from the factory floor to the upper management. Some of the training programs that the company periodically provides to their employees are leadership development, motivation, successful negotiations, and multifocal intelligence specialization.

Moreover, Jaraguá offers to their employees a country club with a swimming pool, barbecue grill, and sports court, which is conveniently located next to the Sorocaba factory at a site with several trees. There the company's employees and their families are able to enjoy pleasant moments of leisure and entertainment.



Commitment with the community

Since the year 2000, Jaraguá has kept with SENAI (National Service for Industrial Training) Professional School a significant partnership with regard to the training of qualified labor, offering theoretical and hands-on courses in the areas of plate bending and welding to youngsters from 18 to 35 years of age. These courses take place at Jaraguá's own premises and last approximately one year; participants attend daily classes during the whole day. Upon conclusion, the students are ready for the marketplace, and may get a job either at one of Jaraguá's industrial units or at other companies as well. Since its launch, this partnership between Jaraguá and SENAI has already trained more than 500 young workers.

For college students, Jaraguá offers an internship program in the areas of electric, electronic and civil engineering, as well as mechatronics and technology. This program was created together with Via de Acesso, a Non-Governmental Organization that acts as a link between schools and companies, so that

future professionals can find a position in the job market. The trainees go through a job rotation process, remaining about two months in every department of the company, so that they can choose where they would like to work later.

Thinking about the future of these professionals, Jaraguá supplements the internship program with a "fundamental skills" training in written and verbal communication, self-marketing, interpersonal relationship and teamwork.





Safety, Health and Environmental Protection

Based on its Basic Philosophy, Jaraguá adopts and performs various actions aiming to increase overall life quality. Among those actions, we may point out the training of internal auditors, so as to disseminate more efficiently the concepts and the guidelines of Safety, Health and Environmental Protection within the company; Visitor's Manual; Selective Waste Collection project; targets for water and energy savings; periodic control of drinking water quality; soot emission monitoring; noise monitoring; intensive visual communication in the industrial area, among others. Recently, at REPAR construction site, we achieved the goal of 500,000 man/hour of risk exposure and no work-related accident leave. Among the outstanding moments of the commemoration, we may mention Petrobras' speech, acknowledging and exalting Jaraguá's team performance, and the exchange of Recognition Plaques of the achievement, confirming the outcome of the efforts of all involved, aiming to guarantee labors safety, not only inside the company but also in the construction sites.

THIS IS JARAGUÁ DAILY FOSTERING SUSTAINABILITY CONCEPTS.

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